

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Nancy A. Greco, et al.

Examiner: Unassigned

Serial No.: To be assigned

Art Unit: Unassigned

Filed: Herewith

Docket: YOR919950251US3 (14784AB)

For: METAL-INSULATOR-METAL
CAPACITOR

Dated: September 9, 2003

Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

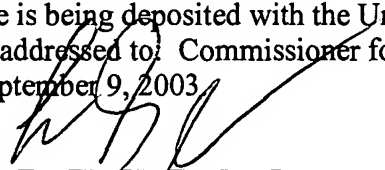
In accordance with 37 C.F.R. §1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. U.S. Patent No. 5,436,477, dated July 1995;
2. 5,366,920, dated November 1994;
3. Japanese Patent No. 06140737, dated May 1994;
4. Japanese Patent No. 05299601, dated November 1993;
5. European Patent No. 0750354, dated December 1996;
6. IBM Technical Disclosure Bulletin, vol. 38, No. 2, February 1, 1995, pp. 611-613, "High Capacitance Tungsten to Metal 1 Capacitor for High Frequency Applications";
7. James McCreary, "Matching Properties and Voltage and Temperature Dependence of MOS Capacitors", IEEE Journal of Solid-State Circuits, December 1981, pp. 608-616, Vol. SC-16, No. 6;

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on September 9, 2003.

Dated: September 9, 2003



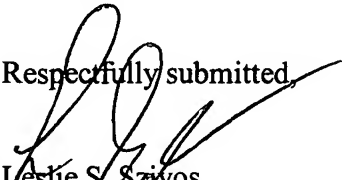
Leslie S. Szivos, Ph.D.

8. K. Machida et al., "Metal-insulator-Metal Capacitors by Using Electron Cyclotron Resonance Plasma-SiO₂", Journal Vacuum Science Technology, B, 13(5), pp. 2013-2015, September/October 1995;
9. U.S. Patent No. 5,440,174, dated August 8, 1995;
10. U.S. Patent No. 5,068,694, dated November 26, 1991;
11. U.S. Patent No. 4,786,612, dated November 22, 1988;
12. U.S. Patent No. 4,335,505, dated June 22, 1982;
13. U.S. Patent No. 4,897,153, dated January 1990;
14. U.S. Patent No. 5,736,448, dated April 1998;
15. U.S. Patent No. 5,708,559, dated January 1998;
16. U.S. Patent No. 5,407,861, dated April 1995;
17. U.S. Patent No. 5,258,096, dated November 1993;
18. U.S. Patent No. 5,407,855, dated April 1995;
19. U.S. Patent No. 5,566,045, dated October 1996; and
20. U.S. Patent No. 5,625,232, dated April 1997.

Pursuant to 37 C.F.R. §1.98 (d), copies of the references listed on the enclosed Form PTO-1449 are not provided since they were previously made record of in prior applications. References 1-6 were cited in the Information Disclosure Statement filed on August 27, 1997, references 7 and 8 were cited in an Information Disclosure Statement filed March 28, 1997, and references 9-12 were cited by the Patent and Trademark Office in an Office Action dated March 1, 1999, references 1-12 were cited in the parent application Serial No. 09/626,310, filed on April 1, 1996. References 13-16 were cited by the Patent and Trademark Office in an Office Action dated October 21, 2002 and references 17-20 were cite by the Patent and Trademrk Office in an Office Action dated March 12, 2003. References 13-20 were cited in a divisional application Serial No. 09/318,867, filed on May 26, 1999. Consideration of this Information Disclosure Statement is respectfully requested, since the information provided herewith may be material to the examination of the present application as defined under 37 C.F.R. § 1.56. This statement is not intended to represent that a search has been performed or that no other art than that identified herein exists.

The instant Information Disclosure Statement is being submitted concurrent with the filing of the present application. Therefore, this filing is made under 37 C.F.R. § 1.97(b)(1). An Information Disclosure Statement filed under 37 C.F.R. § 1.97(b)(1) requires neither certification nor fee.

Respectfully submitted,


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Enclosures PTO Form 1449

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. YOR919950251US3 (14784AB)		Serial No. To be assigned	
				Applicant Nancy A. Greco, et al.			
				Filing Date Herewith		Group Unassigned	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA	5,436,477	7/1995	Hashizume et al.			
	AB	5,366,920	1/1994	Yamamichi et al.			
		5,440,174	8/8/1995	Nishitsuji			
		5,068,694	11/26/1991	Ohara			
		4,786,612	11/22/1988	Yau et al.			
		4,335,504	6/22/1982	Shibata et al.			
		4,897,153	1/1990	Cole et al.			
		5,736,448	4/1998	Saia et al.			
		5,708,559	1/1998	Brabazon et al.			
		5,407,861	4/1995	Marangon et al.			
		5,258,096	11/1993	Papu D. Maniar			
		5,407,855	4/1995	Maniar et al.			
		5,566,045	10/1996	Summerfelt et al.			
		5,625,232	4/1997	Numata et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
		06140737	5/1994	JAPAN			
		05299601	11/1993	JAPAN			
		0750354	12/1996	JAPAN			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
		James McCreary, "Matching Properties and Voltage and Temperature Dependence of MOS Capacitors", IEEE Journal of Solid-State Circuits, December 1981, pp. 608-616, Vol. SC-16, No. 6; and					
		K. Machida et al., "Metal-insulator-Metal Capacitors by Using Electron Cyclotron Resonance Plasma-SiO ₂ ", Journal Vacuum Science Technology, B, 13(5), pp. 2013-2015, September/October 1995.					
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							